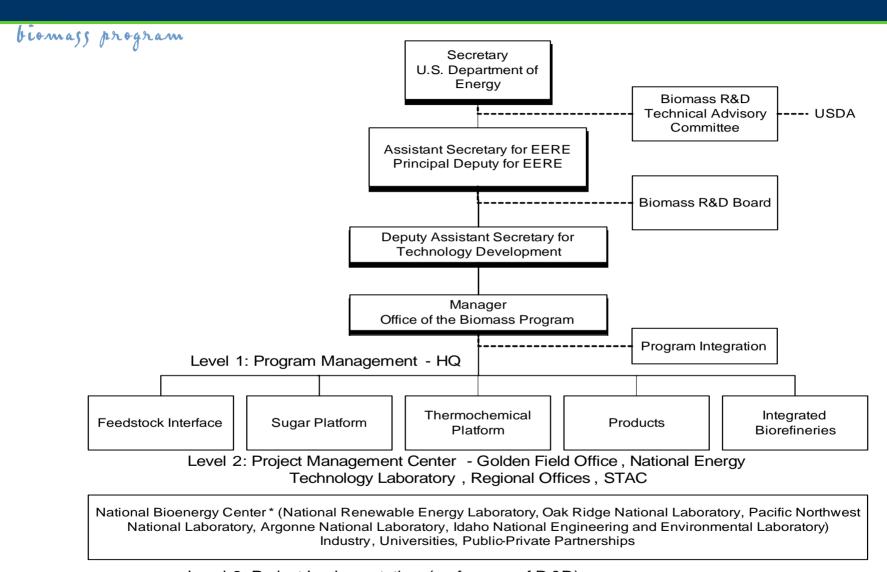
OBP Thermochemical R&D Platform

DOE OBP Thermochemical Platform Review Meeting June 7-8, 2005

Paul Grabowski - DOE OBP



Organizational Overview



Level 3: Project Implementation (performers of R &D)

^{*} Each National Laboratory of the NBC has a designated relationship manager which is the primary liaison between the Laboratory and Level 1 Program Management



Congress

- Biomass R&D Act of 2000
 - Directed Biomass DOE/USDA Coordination
 - Biomass R&D Technical Advisory Committee
 - Biomass R&D Board
- Farm Bill of 2002 (Title IX)

Executive

- National Energy Policy
- White House Report in Response to the National Renewable Energy Production on Federal Lands

TC Platform R&D Portfolio

- Fit and Appropriateness
 - Mission of OBP

- Short vs. Long Term
 - FY08 Solicitation
 - Longer Term with higher payback

- Core vs. Applied
 - Lab, industry based.

Develop Integrated BioRefineries

Reduce Dependency on Foreign Oil

- Technology Moves us along a Pathway
 - Barriers and the WBS
- Planned and Managed technology Development
 - Stage Gate

Utilize all available feedstock

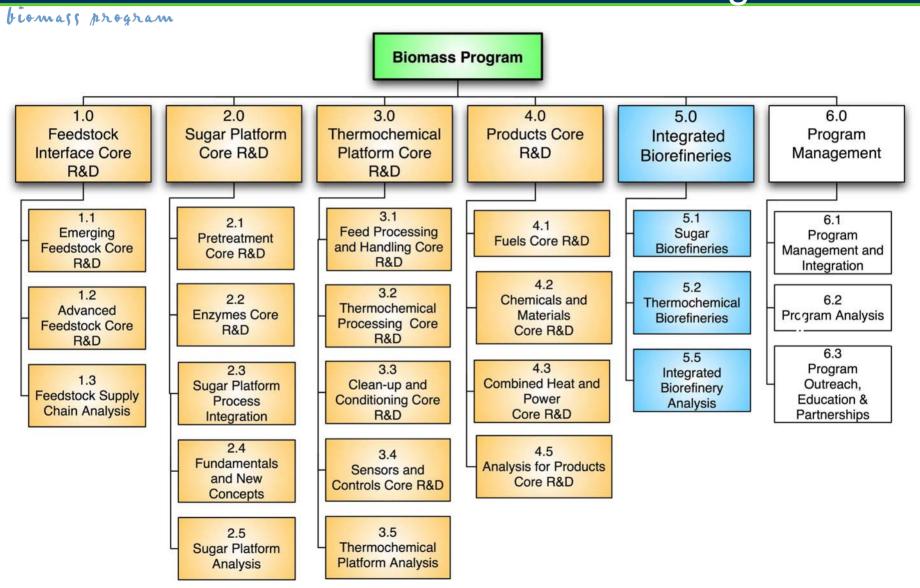
Fully Integrate TC technologies.



Barriers Define the focus of the WBS



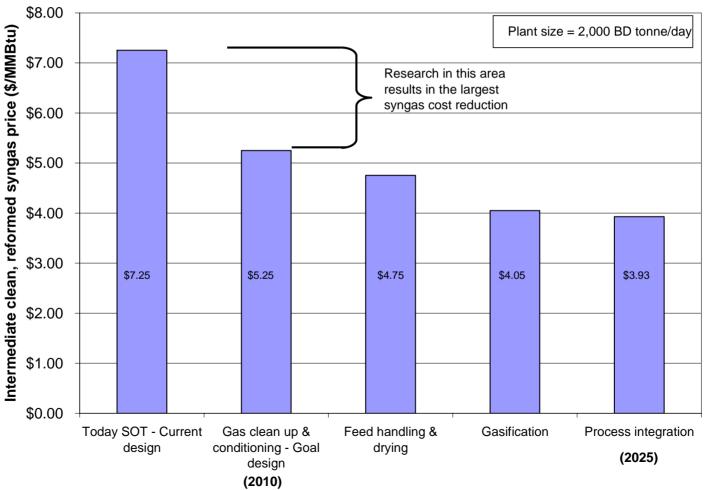
Work Breakdown Structure Removing Barriers



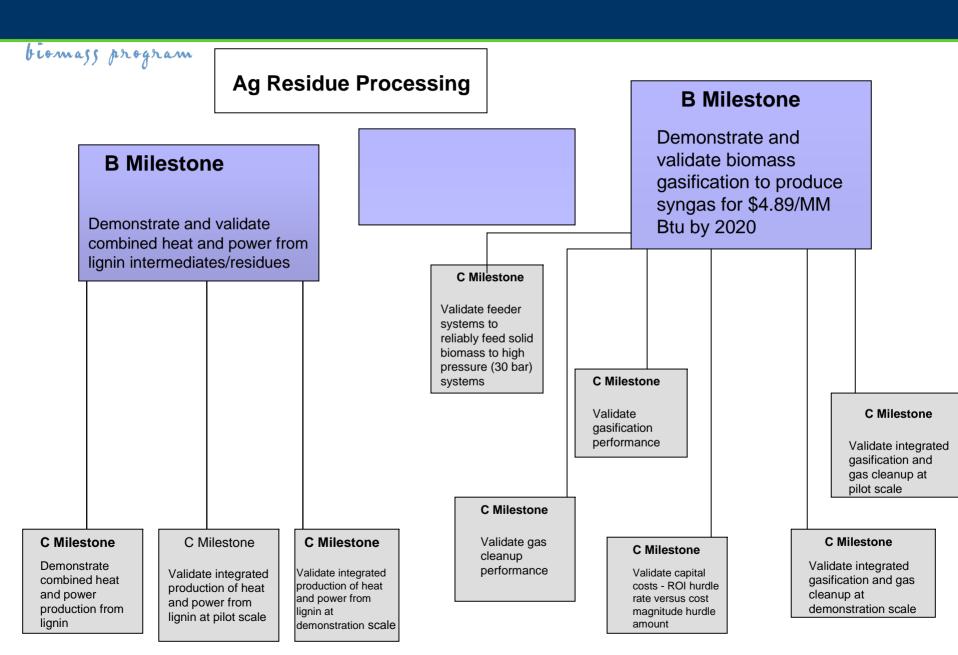
Do we utilize Analysis to Prioritize our Barriers?

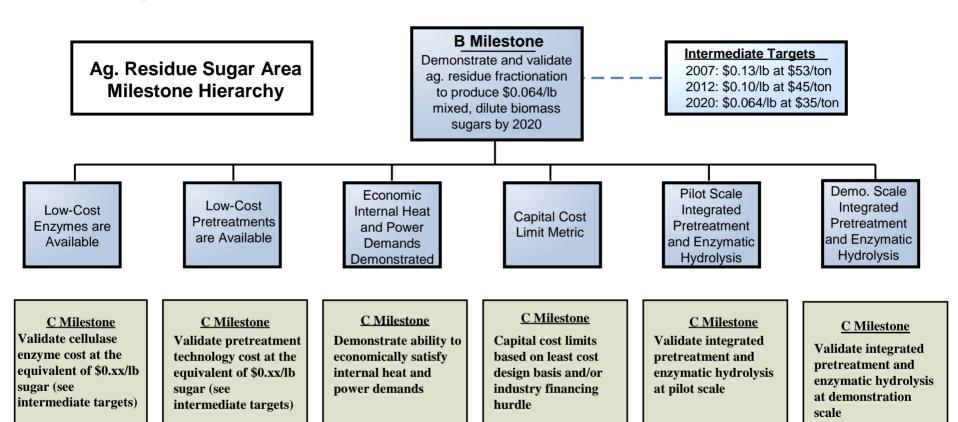
biomass program

 DOE program targets based on intermediate syngas price to track progress toward reducing technical barriers



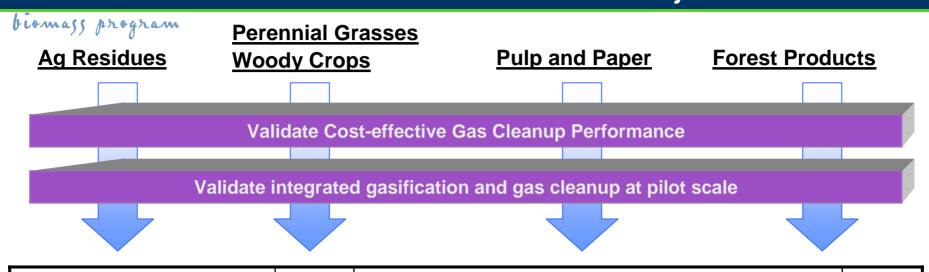
Decrease in syngas price due to increased yields, decreased capital costs, & efficiency gains







Pathways and Milestones – C-level and Project Milestones



Project Milestones	Туре	Performance Expectations	Due Date
X			
Υ			
Z			

Project	FY 04	FY 05	FY 06 Plan
3.1. Feed Processing/ Handling		400	300
3.2. Gasification	2,725	1,667	1,220
3.3 Cleanup and Conditioning	3,053	4,273	3,470
3.5 TC Analysis	851	750	610
Total Funding	6,629	7,090	5,600

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